

In Memoriam

Bruce E. Birdsall

July 24, 1924 ☿ January 28, 2007

Bruce was a member of the Simulation Research Group at Lawrence Berkeley National Laboratory from 1982 until his retirement in 1997.

A 1951 graduate in Industrial Engineering from the University of Illinois, he brought years of expertise and practical experience to the DOE-2 development project. Bruce came to us from Ohio State University, after a distinguished teaching and engineering career. He had worked in the HVAC industry since 1946 and he liked to say that he grew up in it, as his father was a residential/commercial heating contractor.

During his time at the laboratory, Bruce worked primarily on the DOE-2 building energy simulation program; he also headed the user support office and provided advice on HVAC design, control and construction. Bruce was responsible for DOE-2 inputs for specific projects such as PNL's ASHRAE/IES STD 90A Revision project and BPA's Commercial Buildings Project. His interest in computers, as they related to the HVAC industry, began by writing the algorithms for the APEC HCC III Loads program. Bruce held two U.S. patents with Carrier Corporation (1954) that were subsequently patented in 20 foreign countries. He was a member of ASHRAE and served on TC 4.7 from 1969 to 1981. In addition, Bruce was principal author of the Standard Evaluation Technique (SET) for the BEPS program.

Bruce was unfailingly good-humored, patient, generous and upbeat, despite ongoing health problems. He enjoyed helping students and young engineers get established, and he acted as a mentor to many researchers and visitors during his 15 years at the laboratory.

Those friends and colleagues who would like to write something in Bruce's memory, please follow this direct link to his guest book:
<http://www.legacy.com/TimesHeraldOnline/GB/GuestbookView.aspx?PersonId=86453385>

<http://www.legacy.com/TimesHeraldOnline/DeathNotices.asp?Page=LifeStory&PersonID=86453385>